

Channel Study

| REFERENCE | | CH# 211C2- 90.1 MHz, Pwr= 50 kW, HAAT=89.8M, COR= 509.1 M | | | | | | | | DISPLAY DATES | |
|----------------------------|-------------|---|----------------|----------------------------|--------------------------|--------------------|-------------------|------------------------------------|-------------------------|-----------------|--|
| 39 21 16.0 N. | | Average Protected F(50-50)= 42.9 km | | | | | | | | DATA 09-05-07 | |
| 80 01 27.0 W. | | | | | | | | | | SEARCH 09-05-07 | |
| CH CITY | CALL | TYPE STATE | AZI. <-- | DIST FILE # | LAT. LNG. | Pwr(kW) HAAT(M) | INT(km) COR(M) | PRO(km) LICENSEE | *IN* (Overlap in km) | *OUT* | |
| 211B1 Clarksburg | WZWA | LIC CN WV | 263.0 82.8 | 31.95 BLED19920709KA | 39 19 09.0 80 23 31.0 | 1.500 178 | 78.2 536 | 26.7 Maranatha Broadcasting, In | -94.15* | -128.33 | |
| 06 1C Weston | WDTV-D | CP DHY WV | 228.1 47.8 | 46.47 BPCDT19991029AFO | 39 04 29.0 80 25 28.0 | 10.000 248 | 630 | 56.8 Withers Broadcasting Compa | 94.1R | -47.6M | |
| 06 1 Weston | WDTV-D | GRR DHN WV | 228.1 47.8 | 46.47 BPRM20001002ADW | 39 04 29.0 80 25 28.0 | 10.000 253 | 634 | 52.5 Withers Broadcasting Compa | 89.7R | -43.2M | |
| 06 C Weston | WDTV-D | ST N WV | 228.1 47.8 | 46.47 BDSTA20050614ADO | 39 04 29.0 80 25 28.0 | 0.100 193 | 576 | 29.4 Withers Broadcasting Compa | 66.7R | -20.2M | |
| 210B Wheeling | WVNP | LIC CY WV | 334.7 154.3 | 106.06 BLED19811102AL | 40 12 58.0 80 33 31.0 | 25.000 133 | 65.8 484 | 43.7 West Virginia Educational | 3.65 | 5.54 | |
| 212B Grantsville | WAIJ | LIC DEN MD | 63.8 244.4 | 89.05 BLED19841001DW | 39 42 14.0 79 05 31.0 | 8.418 168 | 57.6 922 | 38.9 He's Alive, Incorporated | 4.10 | 6.88 | |
| 265A Westover | WZST | LIC CN WV | 20.2 200.3 | 22.63 BLH19830117AQ | 39 32 44.0 79 55 58.0 | 1.000 91 | 1.6 533 | 17.6 Tschudy Broadcasting Corp. | 15.0R | 7.6M | |
| 212A Elkins | WCDE | LIC CN WV | 162.0 342.1 | 49.43 BLED19841214LP | 38 55 52.0 79 50 49.0 | 0.100 -30 | 8.0 631 | 5.6 Board Of Trustees, Davis & | 19.25 | 10.28 | |
| 211A Zanesville | WOUZ-FM | LIC VN OH | 287.8 106.5 | 173.62 BLED19931006KG | 39 48 50.0 81 57 21.0 | 3.000 88 | 73.7 354 | 22.8 Ohio University | 50.16 | 16.88 | |
| 208B Petersburg | WAUA | LIC CX WV | 104.5 285.0 | 66.80 BLED20040510ABJ | 39 12 07.0 79 16 31.0 | 10.000 240 | 4.6 1173 | 46.0 West Virginia Educational | 33.63 | 17.96 | |
| 211A Indiana | WIUP-FM | LIC HN PA | 27.4 207.9 | 158.27 BLED19800304AF | 40 36 57.0 79 09 40.0 | 1.600 54 | 55.2 425 | 15.1 Indiana University Of Penn | 76.58 | 28.18 | |
| 212B1 Parkersburg | WVPG | LIC HN WV | 263.8 82.8 | 136.17 BLED19850703KC | 39 12 44.0 81 35 30.0 | 9.000 103 | 48.8 331 | 31.5 West Virginia Educational | 39.26 | 31.26 | |
| 211A Gore | AP1778 | APP DVX VA | 97.2 278.2 | 142.33 BNPED20000218AAF | 39 10 58.0 78 23 23.0 | 0.035 404 | 53.6 806 | 15.9 Pensacola Christian Colleg | 59.51 | 32.68 | |
| 06Z1C Johnstown | WJACTV | LI HN PA | 37.8 218.5 | 143.84 BLCT19880502KE | 40 22 17.0 78 58 58.0 | 70.800 341 | 868 | 77.6 Wpxi, Inc. | 94.6R | 49.3M | |
| 211A New Castle | WVMN | LIC CN PA | 353.0 172.8 | 185.59 BLED19951130KA | 41 00 47.0 80 17 36.0 | 2.000 59 | 60.2 414 | 16.9 The Moody Bible Institute | 85.99 | 50.53 | |
| 211B1 Waynesboro | WPVA | LIC C VA | 145.8 326.5 | 178.51 BLED19990723KA | 38 01 16.0 78 52 38.0 | 2.500 309 | 99.4 723 | 38.8 Positive Alternative Radio | 53.45 | 52.26 | |

Terrain database is NGDC 30 SEC
ERP and HAAT on direct-line with reference station.
• affixed to TV6 Margin= no direct-line contour overlap.
"-"affixed to 'IN' or 'Out' values = site inside protected contour.

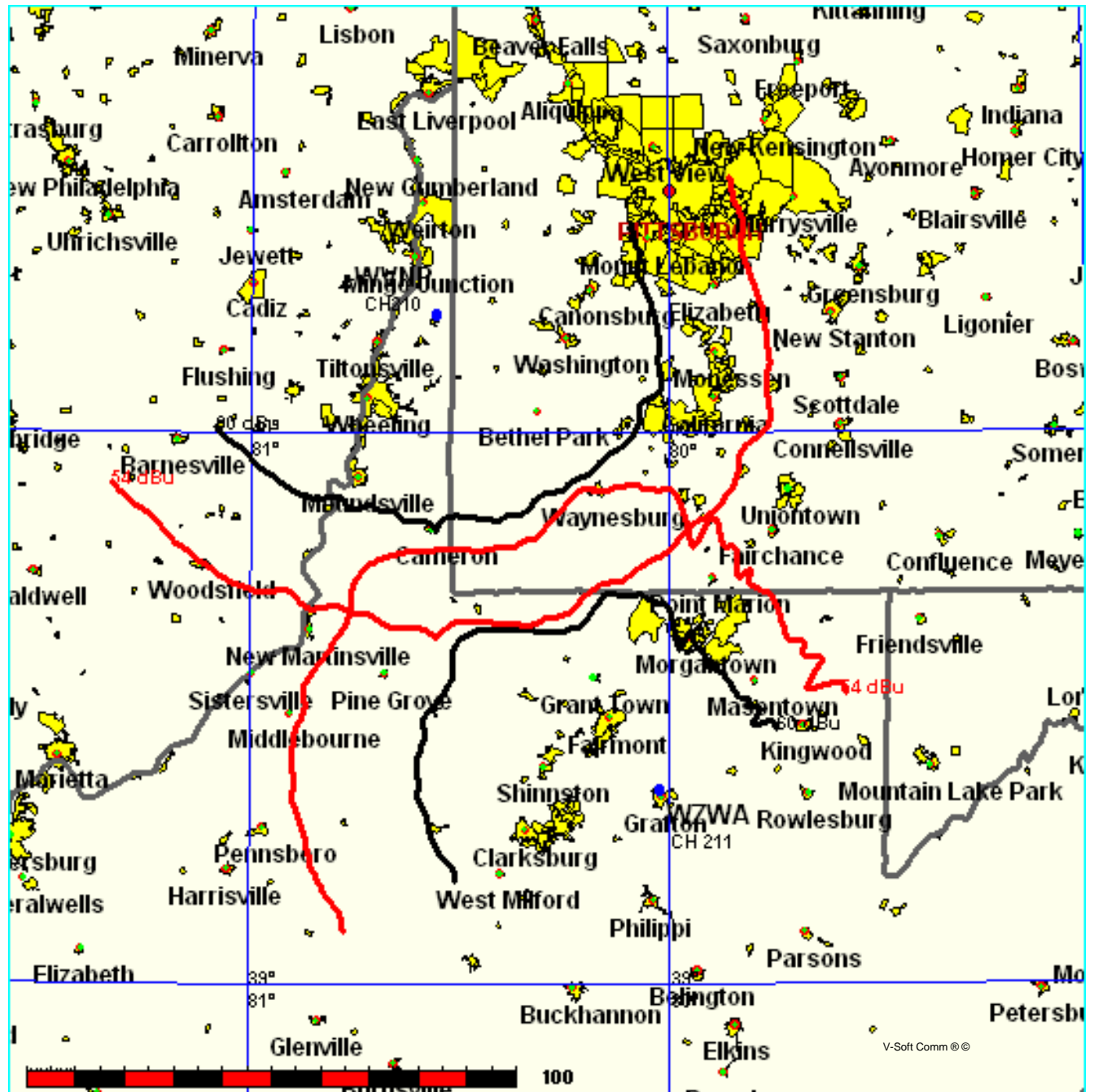
Exhibit 16 - A

FMCommander Single Allocation Study
09-06-2007

WZWA CH 211 C2
50.0 kW 509.1 M COR DA
Prot. = 60 dBu
Intef. = 54 dBu

WVNP CH 210 B BLED19811102AL
25.0 kW, 484 M COR
Prot. = 60 dBu
Intef. = 54 dBu

Scale = 1:2,000,000



Maranatha Broadcasting

P.O. Box 7575

Huntington, WV 25777

Exhibit 16 – A1

Clarksburg, WV

WZWA vs. WVNP

09-06-2007

30 Arc-Sec. Terrain Data

FM Over Analysis

WZWA

Channel = 211C2

Max ERP = 50 kW

RCAMSL = 509.1 M

N. Lat. 39 21 16.0

W. Lng. 80 01 27.0

Protected

60 dBu

WVNP

BLED19811102AL

Channel = 210B

Max ERP = 25 kW

RCAMSL = 484 M

N. Lat. 40 12 58.0

W. Lng. 80 33 31.0

Interfering

54 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 308.0 | 029.2460 | 0173.9 | 050.2 | 174.6 | 025.0000 | 0111.5 | 065.0 | 53.09 |
| 309.0 | 028.4560 | 0171.3 | 049.7 | 173.8 | 025.0000 | 0111.3 | 064.8 | 53.16 |
| 310.0 | 027.6768 | 0168.3 | 049.2 | 172.9 | 025.0000 | 0113.3 | 064.6 | 53.34 |
| 311.0 | 027.0260 | 0165.4 | 048.6 | 172.0 | 025.0000 | 0114.8 | 064.4 | 53.48 |
| 312.0 | 026.3828 | 0162.2 | 048.0 | 171.1 | 025.0000 | 0115.7 | 064.3 | 53.55 |
| 313.0 | 025.7475 | 0158.0 | 047.3 | 170.1 | 025.0000 | 0116.5 | 064.4 | 53.58 |
| 314.0 | 025.1199 | 0152.5 | 046.4 | 169.0 | 025.0000 | 0118.6 | 064.6 | 53.61 |
| 315.0 | 024.5000 | 0146.7 | 045.4 | 167.9 | 025.0000 | 0120.7 | 065.0 | 53.60 |
| 316.0 | 023.8879 | 0142.0 | 044.5 | 166.9 | 025.0000 | 0122.5 | 065.3 | 53.60 |
| 317.0 | 023.2835 | 0139.1 | 043.9 | 166.1 | 025.0000 | 0123.8 | 065.5 | 53.63 |
| 318.0 | 022.6868 | 0137.0 | 043.4 | 165.3 | 025.0000 | 0126.4 | 065.5 | 53.75 |
| 319.0 | 022.0980 | 0133.6 | 042.8 | 164.5 | 025.0000 | 0129.8 | 065.8 | 53.85 |
| 320.0 | 021.5168 | 0128.4 | 041.9 | 163.5 | 025.0000 | 0129.8 | 066.3 | 53.68 |
| 321.0 | 021.3335 | 0122.5 | 041.0 | 162.7 | 025.0000 | 0132.1 | 066.8 | 53.65 |
| 322.0 | 021.1510 | 0117.0 | 040.3 | 161.9 | 025.0000 | 0132.0 | 067.3 | 53.49 |
| 323.0 | 020.9693 | 0112.4 | 039.6 | 161.1 | 025.0000 | 0130.6 | 067.7 | 53.28 |
| 324.0 | 020.7884 | 0109.3 | 039.1 | 160.5 | 025.0000 | 0129.8 | 068.0 | 53.15 |
| 325.0 | 020.6082 | 0107.6 | 038.7 | 159.8 | 025.0000 | 0129.8 | 068.1 | 53.11 |
| 326.0 | 020.4288 | 0105.7 | 038.4 | 159.2 | 025.0000 | 0131.1 | 068.3 | 53.12 |
| 327.0 | 020.2503 | 0102.8 | 037.9 | 158.6 | 025.0000 | 0131.1 | 068.7 | 53.00 |
| 328.0 | 020.0724 | 0099.5 | 037.3 | 157.9 | 025.0000 | 0133.4 | 069.1 | 52.97 |
| 329.0 | 019.8954 | 0098.2 | 037.0 | 157.4 | 025.0000 | 0135.1 | 069.3 | 53.00 |
| 330.0 | 019.7192 | 0099.0 | 037.0 | 156.8 | 025.0000 | 0135.1 | 069.2 | 53.05 |
| 331.0 | 019.9712 | 0099.3 | 037.2 | 156.3 | 025.0000 | 0135.3 | 068.9 | 53.13 |
| 332.0 | 020.2248 | 0097.5 | 037.0 | 155.8 | 025.0000 | 0135.3 | 069.1 | 53.08 |

Exhibit 16 - B

FMCommander Single Allocation Study
09-06-2007

| | | | | |
|-----------------|----------------|-----------------|--------------|-----------------|
| WZWA | CH 211 C2 | WAIJ | CH 212 B | BLEDD19841001DW |
| 50.0 kW | 509.1 M COR DA | 10.0 kW | 922 M COR DA | |
| Prot. = 60 dBu | | Prot. = 60 dBu | | |
| Intef. = 54 dBu | | Intef. = 54 dBu | | |

Scale = 1:2,000,000

